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NOTICE OF ALLOWANCE AND FEE(S) DUE

27317 7590 07/IS/2009 Fleit Gibbons Gutman Bongini & Bianco PL 21355 EAST DIXIE HIGHWAY SUITE 115

MIAMI, FL 33180

EXAMINER
KIKNADZE, IRAKLI
ART UNIT PAPER NUMBER

DATE MAILED: 07/15/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/597,142	07/12/2006	Zeev Harel	7057-X08-050	6648

TITLE OF INVENTION: X-RAY DIFFRACTION (XRD) MEANS FOR IDENTIFYING THE CONTENT IN A VOLUME OF INTEREST AND A METHOD THEREOF

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	10/15/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
21355 EAST DI SUITE 115			I S a tu	Ce hereby certify that thates Postal Service ddressed to the Mai ansmitted to the USI	rtificate his Fec(with sul il Stop TO (57	e of Mailing or Trans s) Transmittal is being ficient postage for fir ISSUE FEE address I) 273-2885, on the d	mission g deposited with st class mail in a above, or bein ate indicated be	the United an envelope g facsimile low.
MIAMI, FL 331	80						(Dep	positor's name)
			L					(Signature)
			L					(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR	ATTO	RNEY DOCKET NO.	CONFIRMATI	ION NO.
10/597,142 TITLE OF INVENTION METHOD THEREOF	07/I2/2006 N: X-RAY DIFFRACT	TON (XRD) MEANS F	Zeev Harel OR IDENTIFYING TI	IE CONTENT IN A		7057-X08-050 UME OF INTEREST	6648 FAND A	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	E PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE	DUE
nonprovisional	YES	\$755	\$300	\$0	\$0 \$1055		10/15/	2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS	٦				
KIKNADZ:	E, IRAKLI	2882	378-087000	0				
"Fee Address" ind. PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attack	inge of Correspondence "Indication form and Use of a Customer		to 3 registered pate atively, agle firm (having as or agent) and the nan titorneys or agents. If the printed.	nt attorn a memb nes of u no nan	p to ge is 3	ocument has be	
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4a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			49. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Depoid Neccoun Number (enclose an extra copy of this form).					
 Change in Entity State a. Applicant claim 	tus (from status indicate s SMALL ENTITY stati		☐ b. Applicant is no I	onger claiming SMA	LLEN	ITTY status. See 37 C	FR 1.27(g)(2).	
NOTE: The Issue Fee and interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte ites Patent and Trademark	d from anyone other that Office.	n the applicant; a reg	istered	attorney or agent; or the	ne assignee or ot	her party in
Authorized Signature				Date				
Typed or printed name		Registration No.						
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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21355 EAST DIXIE HIGHWAY SUITE 115			ART UNIT	PAPER NUMBER	
			2882		
MIAMI, FL 33180		DATE MAILED: 07/15/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 199 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 199 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/597,142 HAREL ET AL. Notice of Allowability Examiner Art Unit IRAKI I KIKNADZE 2882 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to the amendment filed on 7/1/2009. The allowed claim(s) is/are 8,9,15,17 and 18. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date 3. Information Disclosure Statements (PTO/SB/08), 7. T Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material 9. ☐ Other .

/Irakli Kiknadze/ Primary Examiner, Art Unit 2882 Application/Control Number: 10/597,142 Page 2

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DETAILED ACTION

 In response to the Office action mailed on April 3, 2009 the Amendment has been received on July 1, 2009.

Claims 1-7, 10-14, 16, 19 and 20 have been canceled.

Claim 8 has been amended.

Claims 8, 9, 15, 17 and 18 are currently pending in this application.

Allowable Subject Matter

- 2. Claims 8, 9, 15, 17 and 18 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

Claim 8 is allowed because prior art fails to teach or make obvious a remote XRD means for identifying a material in a volume of interest (VOI) comprising: a database comprising records of patterns' parameters characterizing predetermined materials; and alerting means issuing an alert when a material is identified that is one of the materials for which a notification should be provided when identified; wherein the processor is measuring at least a portion ($\leq 360^\circ$) of the full Debye-Scherrer rings as claimed in combination with all of the remaining limitations of the claim.

Claim 15 is allowed because prior art fails to teach or make obvious a method for acquiring XRD images of a material in a VOI, comprising the steps of: acquiring of Debye-Scherrer XRD patterns; extracting of Debye-Scherrer XRD patterns; converting

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said XRD patterns of a VOI to standard powder X-ray diffraction spectra; searching and/or matching records in a database for material identification; and alerting in case a material matches a predetermined record as claimed in combination with all of the remaining limitations of the claim.

Claims 9, 17 and 18 are allowed by virtue of their dependence.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Arguments

4. Applicant's arguments, see page 3, filed July 1. 2009, with respect to claims 1-20 have been fully considered and are persuasive. The rejection of claims 8 and 9 has been withdrawn. Claims 15, 17 and 18 are remaining allowable as it has been indicated in the previous office action.

Conclusion

 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Husseiny et al. (US Patent 5,600,303), Fawecett et al. (US Art Unit: 2882

Patent 4,821,303) and Tanimori et al. (US Patent 6,118,849) teach the X-ray diffraction

analysis methods and apparatus.

6. Any inquiry concerning this communication or earlier communications from

the examiner should be directed to IRAKLI KIKNADZE whose telephone number is

(571)272-2493. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ed Glick can be reached on 571-272-2490. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

you have questions on access to the rinvator rank system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Irakli Kiknadze

/Irakli Kiknadze/

Primary Examiner, Art Unit 2882

/I. K./ July 2, 2009

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